UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/521,045	01/11/2005	Daniel Rachlin	336-1102US	336-1102US 6611	
23429 7590 12/31/2007 GREGORY SMITH & ASSOCIATES EXAMINER					
3900 NEWPAR	RK MALL ROAD, 3RD	BOR, HELENE CATHERINE			
NEWARK, CA	. 94560		ART UNIT PAPER NUMBER		
			3768		
			MAIL DATE	DELIVERY MODE	
			12/31/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

1) Responsive to communication(s) filed on 01 October 2007. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-18 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-18 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 11 January 2005 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received.		Application No.	Applicant(s)	· · · · · · · · · · · · · · · · · · ·			
Helene Bor - The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER; FROM THE MAILING DATE OF THIS COMMUNICATION. If NO period for reply is peopled above, the manifund size of this communication. If NO period for reply is peopled above, the manifund size of the communication. If NO period for reply is peopled above, the manifund size of this communication. If NO period for reply is peopled above, the manifund size of this communication. If NO period for reply is peopled above, the manifund size of this communication is second adventile from the mailing date of this communication. If NO period for reply is people above, the manifund size of this communication is the second adventile from the mailing date of this communication. If NO period for reply is people above, the manifund size of this communication is second adventile from the mailing date of this communication is second adventile from the mailing date of this communication. Status 1 Second 1	•	10/521,045	RACHLIN ET AL.				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Repty A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extentions of time may be available under the provisors of 2 FCR 11360, no event, however, may a tery be training that the provisor of 2 FCR 11360, no event, however, may a tery be training that the communication of the provisor of the	Office Action Summary	Examiner	Art Unit				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time-ray be available under the provisions of 37 CPR 1.136(a). In or event, provision, and the provision of 37 CPR 1.136(a). In or event, provision, and the provision of 37 CPR 1.136(a). In or event, provision, and the provision of 37 CPR 1.136(a). In or event, provision, and the provision of 37 CPR 1.136(a). In or event, provision, and the provision of the provision of 18 CPR 1.136(a). In order to the provision of the provision of the provision of 18 CPR 1.136(a). In order to the provision of t		Helene Bor	3768				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Examinates of time may be available under the provision of 3° CPR 1.186(), in no event, however, may a retyle be limbly filled. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (8) MONTHS from the maliting date of this communication. Failute to reply within the set or extended period for reply is specified above, the maximum statutory period will apply and will expire SIX (8) MONTHS from the maliting date of this communication. Failute to reply within the set or extended period for reply is specified above, the maximum statutory are period will apply and will expire SIX (8) MONTHS from the maliting date of this communication. Failute to reply within the set or extended period for reply will, by statutic, example to be become ARAMDONE Off. SIX.S. 9. 1373. A prophy received by the different and set of the set of the communication. even if timely filed, may reduce any event prophy and the communication. Status 1) Responsive to communication (s) filed on 0.1 October 2007. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex partle Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1.12 is/are pending in the application. 4a) Of the above claim(s) is/are allowed. 5) Claim(s) 1.12 is/are rejected. 7) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 7) Claim(s) is/are allowed. 8) Claim(s) filed on 1.1 January 2005 is/are: a) accepted or b) biplected to by the Examiner. 10) The properiod of the properiod of the properiod violation is objected to by the Examiner. 10) The oath or declaration is objected to by the Examiner is objected to by the Examiner. N		ears on the cover sheet with the c	orrespondence addr	ess			
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Edenliends of the may be available under the provision of 3 of FR 1.18(a). In no event, hower, may a reply be timely filed after SX (6) MONTIS from the mailing date of this communication. **The Communication of the Communication of th		/ IC CET TO EVOIDE 2 MONTH/	S) OD THIDTY (20)	DAVE			
1) ⊠ Responsive to communication(s) filed on <u>01 October 2007.</u> 2a) ⊠ This action is FINAL. 2b) ☐ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ☑ Claim(s) <u>1-18</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☑ Claim(s) <u>1-18</u> is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☑ The drawing(s) filed on <u>11 January 2005</u> is/are: a) ☑ accepted or b) ☐ objected to by the Examiner. Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☑ The drawing(s) filed on <u>11 January 2005</u> is/are: a) ☑ accepted or b) ☐ objected to See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12] ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1.☐ Certified copies of the priority documents have been received. 2.☐ Certified copies of the priority documents have been received in Application No 3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received.	WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timurily apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I. tely filed the mailing date of this comi (35 U.S.C. § 133).				
2a) ☐ This action is FINAL. 2b) ☐ This action is non-final. 3 ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4 ☐ Claim(s) 1-18 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5 ☐ Claim(s) is/are allowed. 6 ☐ Claim(s) is/are objected to. 8 ☐ Claim(s) is/are objected to. 8 ☐ Claim(s) are subject to restriction and/or election requirement. Application Papers 9 ☐ The specification is objected to by the Examiner. 10 ☐ The drawing(s) filed on 11 January 2005 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11 ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12 ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1 ☐ Certified copies of the priority documents have been received in Application No 3 ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 11 ☐ Notice of References Cited (PTO-892) 22 ☐ Notice of Drattoperson's Patent Drawing Review (PTO-948) 33 ☐ Information Disclosure Statement(s) (PTO-8808) 51 ☐ Notice of Informal Patent Application	Status						
2a) ☐ This action is FINAL. 2b) ☐ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ☐ Claim(s) 1-18 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on 11 January 2005 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☐ Notice of Praftsperson's Patent Drawing Review (PTO-948) 3) ☐ Information Disclosure Statement(s) (PTO-880) Notice of Informal Patent Application	1)⊠ Responsive to communication(s) filed on 01 Oc	ctober 2007.					
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4)	2a)⊠ This action is FINAL . 2b)☐ This	,					
Al) Claim(s) 1-18 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 11 January 2005 is/are: a X accepted or b objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b Some * c) None of: 1. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in Application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 1) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Notice of Intornal Patent Application	3) Since this application is in condition for allowar	☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
4) Claim(s) 1-18 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are objected to. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 11 January 2005 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 3) Information Disclosure Statement(s) (PTO/St/08) 5) Notice of Informat Patent Application	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.				
4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are objected to. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) □ The specification is objected to by the Examiner. 10) ☒ The drawing(s) filed on 11 January 2005 is/are: a) ☒ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1. □ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) □ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) □ Information Disclosure Statement(s) (PTO/SB/08) 5) □ Notice of Informal Patent Application	Disposition of Claims						
4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are objected to. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) □ The specification is objected to by the Examiner. 10) ☒ The drawing(s) filed on 11 January 2005 is/are: a) ☒ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1. □ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) □ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) □ Information Disclosure Statement(s) (PTO/SB/08) 5) □ Notice of Informal Patent Application	4)⊠ Claim(s) 1-18 is/are pending in the application.	4)⊠ Claim(s) 1-18 is/are pending in the application.					
Solid Claim(s) 1-18 is/are rejected. Tolim(s) is/are objected to. Solid Claim(s) is/are objected to. Solid Claim(s) is/are objected to. Solid Claim(s) is/are objected to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 11 January 2005 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Altachment(s) 1) Notice of References Cited (PTO-892) Altachment(s) 1) Interview Summary (PTO-413) Paper No(s)/Mail Date. Paper No(s)/Mail Date. Notice of Informal Patent Application							
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 11	5) Claim(s) is/are allowed.						
Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 11 January 2005 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Notice of Informal Patent Application	6)⊠ Claim(s) <u>1-18</u> is/are rejected.	6)⊠ Claim(s) <u>1-18</u> is/are rejected.					
Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☑ The drawing(s) filed on 11 January 2005 is/are: a) ☑ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☐ Notice of References Cited (PTO-892) 20 ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☐ Information Disclosure Statement(s) (PTO/SB/08) 5) ☐ Notice of Informal Patent Application	,			•			
9) ☐ The specification is objected to by the Examiner. 10) ☑ The drawing(s) filed on 11 January 2005 is/are: a) ☑ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☐ Notice of Prafisperson's Patent Drawing Review (PTO-948) 3) ☐ Information Disclosure Statement(s) (PTO/SB/08) 4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date 5) ☐ Notice of Informal Patent Application	8) Claim(s) are subject to restriction and/or	r election requirement.					
10) ☐ The drawing(s) filed on 11 January 2005 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☐ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☐ Information Disclosure Statement(s) (PTO/SB/08) 5) ☐ Notice of Informal Patent Application	Application Papers						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	9) The specification is objected to by the Examine	r.					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	, _ , _ , _ , _ , _ , _ , _ , _ , _ , _						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 1 Notice of Informal Patent Application	Priority under 35 U.S.C. § 119	·					
2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 1 Information Disclosure Statement(s) (PTO/SB/08)							
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 1 Interview Summary (PTO-413) Paper No(s)/Mail Date. 5) Notice of Informal Patent Application	1. Certified copies of the priority documents have been received.						
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) * See the attached detailed Office action for a list of the certified copies not received. 4) Interview Summary (PTO-413) Paper No(s)/Mail Date							
* See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) * See the attached detailed Office action for a list of the certified copies not received. 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. 9) Notice of Informal Patent Application							
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date 5) Notice of Informal Patent Application							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. 5) Notice of Informal Patent Application	See the attached detailed Office action for a list of the certified copies not received.						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. 5) Notice of Informal Patent Application							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. 5) Notice of Informal Patent Application	Attach mont(n)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date Notice of Informal Patent Application		4) Interview Summary	(PTO-413)				
3) Information Discussific Statement(5) (1 1 5/55/55)	2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ate				
		The state of the s	атент Арріісатіоп				

10/521,045 Art Unit: 3768

DETAILED ACTION

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 2. Claim 1-18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The claim is drawn to "an interface device" which is subcombination for use with a high frequency ultrasound imaging transducer but the claims are defining structure in relation to the transducer which is an unclaimed element of an intended combination. To avoid improperly claiming in the manner, the phrase "said distal end extending past a distal end of the transducer" could be "configured to extend past..." and "said reservoir maintains a fluid tight seal around the transducer" could be "configured to maintain..." Without positively claiming the combination including the transducer, it is not proper to recite "extending past" and "maintaining".
 Also the same issue is raise with the claim language of Claim 9 with reference to "the length of the device pas the transducer".
- 3. Claim 10, 14 & 18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The claims 10, 14 & 18 fail to impose a structural limitation or requirement.

10/521,045 Art Unit: 3768

5. Claim 1-7, 9, 11-13, 15 & 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Katsumata et al. (US Patent No. 5,078,149).

Claim 1: Katsumata teaches an interface device for use with an ultrasound imaging system having a scan head with at least one transducer (Abstract). While Katsumata does not specifically mention for use with a high frequency ultrasound imaging system, Katsumata does teach the use of the system to be adapted for various ultrasound probes (Col. 11, Line 17-23). It would have been obvious to one of ordinary skill in the art to modify the intervention of Katsumata for the use of high frequency ultrasound because of the easy handling and simple manufacture (Col. 3, Line 37-40). Katsumata teaches the interface device being removably attachable to the scan head (Col. 4, Line 21-26). Katsumata teaches an interface device comprising a reservoir with a proximal end and a distal end (Figure 4A, Elements 11 & 15). Katsumata teaches the proximal end being open (Figure 4A, Element 15). Katsumata teaches a reservoir shaped to allow the transducer to transverse across an intended scan path within said reservoir (Col. 11, Line 24-40). Katsumata teaches the distal end extending past a distal end of the transducer (Figure 5, Element 12 & 18) and including a scan window through which ultrasound energy is transmitted and received (Col. 4, Line 20-26). Katsumata teaches the reservoir maintaining a fluid tight seal around the transducer (Col. 9, Line 1-10) and a fluid coupling medium located within the reservoir (Figure 4A, Element 17).

Claim 2: Katsumata teaches the interface device being sterile (Col. 5, Line 47-53).

10/521,045

Art Unit: 3768

Claim 3: Katsumata teaches how to achieve low ultrasound attenuation (Col. 8, Line 9-15). The equation for Attenuation is: 1/2 x Frequency (MHz) x path length (cm). Attenuation is dependent on the frequency¹. So when Katsumata teaches a decrease in attenuation it is understood likewise a decrease in frequency as well. It would have been obvious to one of ordinary skill in the art to modify the teachings of Katsumata to design the ultrasound scan window with as little ultrasound attenuation [signal loss] as possible.

Claim 4: Katsumata teaches the scan window comprising a non-flowable hydrogel (Figure 5, Element 17 & 21).

Claim 5: Katsumata teaches the scan window comprises a non-flowable hydrogel and a porous support structure (Figure 8B, Elements 63 & 57 and Element 63).

Claim 6: Katsumata teaches the hydrogel comprising a crosslinked polymer with water content greater than or equal to 50% by weight (Col. 8, Line 9-15).

Claim 7: Katsumata teaches the hydrogel comprising polyethylene oxide (Col. 4, Line 10-12).

Claim 9: Katsumata teaches the length of the device past the transducer is adjustable to allow adjustment of the position of the transducer focus (Col. 11, Line 52-58). Katsumata explains that the device is capable of movement in relation to the ultrasonic probe and ultrasonic coupler.

¹ Helguera, Maria Dr. "An Introduction to Ultrasound". Rochester Institute of Technology Rochester. 13 December 2007 http://www.cis.rit.edu/research/ultrasound/ultraintro.htm 8 April 2007.

10/521,045 Art Unit: 3768

Claim 11: Katsumata teaches a device wherein the distal end of the device is curved to approximate the radius of the eye (Col. 4, Line 45-51).

Claim 12: Katsumata teaches a device wherein the reservoir comprises one or more separate pieces between which is disposed the hydrogel scan window (Figure 4A, Element 16 & 11).

Claim 13: Katsumata teaches a device incorporating delivery of fluid [gel] acoustic coupling material (Figure 8B, Element 63).

Claim 15: Katsumata teaches a device that incorporates access for surgical instruments (Figure 7). The device of Katsumata does not require an eyecup for operation and thus allows for access for surgical instruments as applicant stated that an eyecups is cumbersome and limits the use of ultrasound imaging during surgical procedures.

Claim 18: Katsumata teaches a device that is sterilized by ionizing radiation (Col. 5, Line 47-53).

6. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Katsumata (US Patent No. 5,078,149) as applied to Claim 4 above and further in view of Matthews 123 (US Patent No. 3,939,123).

Claim 8: Katsumata teaches an overview of hydrogel composition but does not elaborate regarding more specific compositions and types. However Matthews teaches hydrogel formed from polyisocyanate terminated poly(alkrylene ether) polyols (Col. 2, Line 13-49). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teachings of Katsumata and Matthews in order

10/521,045 Art Unit: 3768

to produce a hydrogel with high water absorbency (Col. 5, Line 1-6) because high water content reduces attenuation (Katsumata; Col. 8, Line 9-15).

7. Claim 10 & 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Katsumata as applied to Claim 1 above and further in view of Puech (US Patent No. 6,837,855 B1).

Claim 10: Katsumata fails to teach the focus range of the device. However, Puech'855 teaches a device wherein the transducer focus is in the range of 2 to 6 mm past the distal the edge of the device (Col. 6, Line 38-48). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teachings of Katsumata and Puech in order to for specific exploration of the anterior segment of the eye (Col. 6, Line 38).

Claim 14: Katsumata fails to teach wherein the ultrasound frequency is in the range of 50 to 100 MHz (Col. 4, Line 41-50 & Col. 6, Line 38-48). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teachings of Katsumata and Puech in order to have better image resolution (Col. 2, Line 15-18).

8. Claim 16 & 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Katsumata as applied to Claim 1 above and further in view of de Juan et al. (US Patent Application No. 2001/0029335 A1).

Claim 16: Katsumata fails to teach the surgical instrument. However, de Juan'335 teaches the device incorporating a surgical instrument (Figure 5A, Element 305a & 206, Figure 6A & 6B and Page 4, Paragraph 0042). It would have been obvious

10/521,045 Art Unit: 3768

to one of ordinary skill in the art at the time of the invention was made to combine the teachings of Katsumata and de Juan in order for a surgeon to scan the retina during the procedure to evaluate the effectiveness of the action taken (Page 4, Paragraph 0046).

Claim 17: Katsumata fails to teach the surgical instrument. However, de Juan teaches the device wherein the device incorporates a surgical instrument that allows use of the instrument in positional relationship to the scanned image (Page 1, Paragraph 0010). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teachings of Katsumata and de Juan in order to better plan the surgical approach and provide high resolution images.

Response to Arguments

9. Applicant's arguments filed 10/01/2007 have been fully considered but they are not persuasive. Applicant asserted that the transducer of Katsumata would not allow for movement within the holder. The examiner respectfully disagrees. The structure of Katsumata is capable of movement of the transducer within the holder. Katsumata teaches the holder adaptable to fit mechanical scan probes as shown in Figure 11 A & B and further described in Col. 11, Line 17-19. The mechanical scanning probe moves the transducer within the holder wherein the holder is shaped to allow transducer movement. The Applicant asserts that Katsumata does not teach fluid tight seals. However, the examiner respectfully disagrees. Katsumata teaches an ultrasound coupler fixed to the probe (Col. 9, Line 10-14). The coupler is designed to contain the gel [fluid] within the holder (Col. 5, Line 19-31). Applicant asserts that Katsumata teaches away from Applicant's claimed configuration. However, Applicant did not

10/521,045

Art Unit: 3768

further elaborate as to how. The examiner respectfully disagrees with the assertion. Applicant argues that Katsumata does not teach allowable signal loss of 1 db/mm and does not describe the frequency dependence of the ultrasonic wave attenuation. The examiner respectfully disagrees. Katsumata teaches how to achieve low ultrasound attenuation (Col. 8, Line 9-15). The equation for Attenuation is: 1/2 x Frequency (MHz) x path length (cm). Attenuation is dependent on the frequency. So when Katsumata teaches a decrease in attenuation it is understood likewise a decrease in frequency as well. Applicant argued that the combination of Matthews and Katsumata. In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., water content of 50%) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See In re Van Geuns, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). The claims stated "with water content greater than or equal to 50% by weight". Katsumata does teach using with water content greater than 50% by weight (Col. 8, Line 9-14). It is noted that no additional arguments than those addressed above are presented with respect to the combinations of Katsumata and Puech and Katsumata and de Juan.

Conclusion

10. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

10/521,045 Art Unit: 3768

TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Helene Bor whose telephone number is 571-272-2947. The examiner can normally be reached on M-T 8:30am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Casler can be reached on 571-272-4956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ERIC F. WINAKUR
PRIMARY EXAMINER